

## Patent Abstracts of Japan

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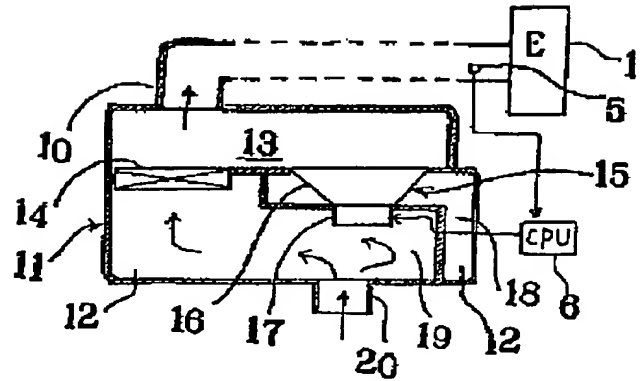
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TITLE : SPEAKER FITTING STRUCTURE OF POSITIVE MUFFLING DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To prevent a speaker from being overheated by providing a sealed chamber in which only a cone part is sealed, and a coil chamber opposite to a coil part behind the speaker of an active muffling device, forming an air passage including the coil chamber, and passing all or a part of the sucked air of an internal combustion engine in the air passage to cool the coil.

**SOLUTION:** An expanded volume part 11 is provided on an air intake tube 10 of an internal combustion engine, and an air cleaner 14 and a speaker 15 are provided. The space behind the speaker 15 is demarcated into a sealed chamber 18 to accommodate a cone part 16 and a coil chamber 19 to accommodate a coil part 17, an outside air inlet 20 is provided on one side of the coil chamber 19, and the other side is connected to the air cleaner 14 to form an air passage. The air passage is a forward part of the air intake tube 10. The speaker is prevented from being overheated in the condition that the coil part is cooled with the sucked air, and the noise emission behind the speaker is prevented.

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